

What is claimed is:

1. A system (10) for testing at least one device in a communications network (90) based on an IP standard, in the loaded state, comprising at least one programmable control device (20) having an assigned memory device, in which a plurality of session scripts is able to be stored, which each contain a predefined test procedure, at least one session computer (40, 50, 60) connected to the control device (20) and having a plurality of mutually independent connection interfaces (44₁-44_n) for executing at least one session script; via each connection interface, an independent IP connection to the communications network (90) being able to be established, and each connection interface (44₁-44_n) having assigned to it a script-processing device (45₁-45_n), which, in dependence upon a session script assigned by the control device (20), is able to establish an IP connection to the device (80, 100) to be tested and initiate the test procedure.
2. The test system as recited in Claim 1, wherein, in each session computer (40, 50, 60), a session-management device (46) is implemented, which supplies each selected script-processing device with the session script allocated to it.
3. The test system as recited in Claim 1 or 2, wherein each connection interface (44₁-44_n) of a session computer (40, 50, 60) has an analog or digital modem (70) assigned thereto.

4. The test system as recited in Claim 1 or 2, wherein each connection interface (44₁-44_n) of a session computer (42, 52, 62) is part of an interface card (42, 52, 62) and is connected to a concentrator, or each connection interface (44₁-44_n) has an analog or digital model (70) assigned thereto.
5. The test system as recited in one of Claims 1 through 4, wherein a plurality of session computers (40, 50, 60) are linked via a backbone network (35) to the control device (20).
6. The test system as recited in one of Claims 1 through 5, wherein each session computer (40, 50, 60) includes a memory for storing status data of each device to be tested and results and preset status messages of each initiated test procedure.
7. The test system as recited in Claim 6, wherein assigned to the control device (20) are a display device for displaying the status data on each device to be tested, stored in each session computer, and the results and status messages of each initiated test procedure, an analysis device, as well as a keyboard.
8. The test system as recited in one of Claims 1 through 7, wherein the communications network (90) based on an IP standard is the Internet or an Intranet, and the devices (80, 100) to be tested are access routers and/or servers.
9. The test system as recited in one of Claims 1 through 8, wherein a session script may include a user ID, a user password, at least one service based on the IP standard, defined time sequences, repetition rates, and/or the destination address of the device to be tested.

10. A method for testing at least one device in a communications network based on an IP standard, in the loaded state, comprising the following method steps:
- writing a plurality of session scripts, which each include a predefined test procedure based on an IP standard;
 - storing the session scripts in a control device;
 - loading at least one selected session script into at least one session computer;
 - functioning in response to each loaded session script, a separate IP connection is established to at least one device to be tested, and the corresponding test procedure is initiated.
11. The method as recited in Claim 9, wherein each test procedure initiated by a session computer is logged, and predefined messages are transmitted during the running test procedures to the control device and displayed at a display device.

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